

Detailed Data Tables: Men Who Have Sex with Men (MSM)

Table 1. People diagnosed with HIV infection within the years 2002 to 2004¹ by mode of exposure: Massachusetts

HIV 2002-2004		
Exposure Mode:	N	%
Male-to-male sex (MSM)	884	32%
Injection Drug Use (IDU)	441	16%
MSM/IDU	57	2%
Receipt of Blood/Blood products	8	<1%
Pediatric	28	1%
Total Heterosexual Sex (HTSX)	347	13%
• HTSX w/ an injection drug user	121	4%
• HTSX w/bisexual male	4	<1%
• HTSX w/ person who received blood/blood products	4	<1%
• HTSX w/ a person w/ HIV or AIDS	218	8%
Total Undetermined/Other	1,005	36%
• Presumed Heterosexual - Unknown risk of partner	642	23%
• Undetermined/Other ²	363	13%
TOTAL	2,770	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis
² those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and one person with confirmed occupational exposure
 Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Note: The category of “presumed heterosexual” is used in Massachusetts to re-assign people who are reported with no identified risk but who are known to have not reported any other risks except heterosexual sex with a partner of unknown HIV status or risk. Massachusetts uses this category to distinguish these cases from other undetermined cases about which we know less. Nationally, the Centers for Disease Control and Prevention categorizes “presumed heterosexual” cases as “no identified risk” (NIR). As such, comparisons of the presumed heterosexual category cannot be made to national data. Caution should be used in interpreting data for presumed heterosexual, as it is still not clear what the exposure risk is for people in this category. Although a person may not report other risk behaviors such as injection drug use or male-to-male sex to his/her health care provider, it does not necessarily mean that he/she has not engaged in them. There are many barriers to disclosing HIV risk behaviors in the health care setting such as a limited patient-provider relationship or stigma.

Table 2. Males diagnosed with HIV infection within the years 2002 to 2004¹ by mode of exposure: Massachusetts

HIV 2002-2004		
Mode:	N	%
Total MSM	941	49%
• MSM	884	46%
• MSM/IDU	57	3%
Non-MSM	972	51%
Total	1,913	100%
¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05		

Table 3. People living with HIV/AIDS on December 31, 2004 by exposure mode: Massachusetts

HIV/AIDS		
Exposure Mode:	N	%
Male-to-male sex (MSM)	5,003	33%
Injection Drug Use (IDU)	4,288	28%
MSM/IDU	479	3%
Receipt of Blood/Blood products	127	1%
Pediatric	278	2%
Total Heterosexual Sex (HTSX)	2,056	13%
• HTSX w/ an Injection Drug User	879	6%
• HTSX w/Bisexual male	32	<1%
• HTSX w/ person who received blood/blood products	25	<1%
• HTSX w/ a person w/ HIV or AIDS	1,120	7%
Total Undetermined/Other	3,058	20%
• Presumed Heterosexual - Unknown risk of partner	2,235	15%
• Undetermined/Other ¹	823	5%
TOTAL	15,289	100%
¹ Includes those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and one person with confirmed occupational exposure Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05		

Table 4. Males living with HIV/AIDS on December 31, 2004 by mode of exposure: Massachusetts

Living with HIV/AIDS		
Mode:	N	%
Total MSM	5,482	50%
• MSM	5,003	46%
• MSM/IDU	479	4%
Non-MSM	5,389	50%
Total	10,871	100%
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05		

Table 5. Percent of people diagnosed with HIV infection by Health Service Region (HSR)¹ and exposure mode: Massachusetts, 2002-2004²

HSR:	MSM	IDU	MSM/ IDU	HTSX	Other	Pres. HTSX ³	Undet. ⁴	Total
Boston HSR	42%	10%	2%	11%	1%	20%	12%	925
Central HSR	20%	22%	2%	13%	2%	30%	11%	259
Metro West HSR	31%	8%	1%	11%	2%	31%	17%	369
Northeast HSR	29%	14%	2%	12%	1%	26%	16%	423
Southeast HSR	36%	19%	2%	12%	1%	17%	13%	361
Western HSR	20%	24%	2%	18%	2%	22%	11%	338
Prison ⁵	5%	53%	3%	12%	0%	23%	4%	95
MA Total	32%	16%	2%	13%	1%	23%	13%	2,770

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at

http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of health service regions

² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

³ Heterosexual sex with partners with unknown risk and HIV status

⁴ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁵ HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility

MSM = Male-to-male sex, IDU = Injection Drug Use, HTSX = Heterosexual Sex, Pres. HTSX = Presumed Heterosexual Sex, Undet. = Undetermined

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 6. People living with HIV/AIDS on December 31, 2004 by Health Service Region (HSR)¹ and exposure mode: Massachusetts

HSR	MSM	IDU	MSM/ IDU	HTSX	Other	Pres. HTSX	NIR	Total
Boston HSR	45%	18%	3%	11%	2%	15%	5%	4,985
Central HSR	20%	37%	3%	18%	4%	14%	4%	1,347
Metrowest HSR	38%	17%	3%	11%	3%	21%	8%	1,872
Northeast HSR	30%	25%	3%	15%	3%	18%	7%	2,170
Southeast HSR	35%	29%	3%	15%	3%	10%	5%	2,130
Western HSR	20%	36%	3%	19%	3%	14%	5%	1,786
Prison ²	5%	74%	4%	6%	<1%	7%	3%	991

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of health service regions

² HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility;

MSM = male-to-male sex; IDU = injection drug use; MSM/IDU = male-to-male sex and injection drug use; HTSX = heterosexual sex; Pres. HTSX = presumed heterosexual; NIR = No Identified Risk

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 7. Top 10 Cities/Towns¹ in Massachusetts by Proportion of HIV Infection Diagnoses (HIV Dx) with Male-to-Male Sex or Male-to-Male Sex and Injection Drug Use as Primary Reported Exposure Mode: 2002-2004²

Rank	City/Town	Number of HIV DX among MSM	Percent of Total HIV DX
1	Medford	22	69%
2	Somerville	21	46%
3	Boston	369	45%
4	Revere	15	41%
5	Everett	10	40%
6	Cambridge	23	40%
7	Malden	14	34%
8	Fall River	14	32%
9	Chelsea	10	27%
10	Chicopee	5	23%

¹ Among cities/towns with over 20 reported HIV Infection diagnoses in the years 2002-2004. Note: reflects the city/town of a person's residence at the time of report (not necessarily current residence). People diagnosed while at a correctional facility are not included.

² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05

Table 8. Males diagnosed with HIV infection by exposure mode and year of diagnosis: Massachusetts, before 1999, 1999-2004¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	7,573	48%	5,018	32%	835	5%	562	4%	480	3%	739	5%	502	3%	15,709
1999	370	40%	269	29%	30	3%	64	7%	9	1%	124	14%	48	5%	914
2000	342	43%	165	21%	21	3%	64	8%	12	2%	132	17%	61	8%	797
2001	301	43%	145	21%	23	3%	63	9%	3	<1%	109	16%	51	7%	695
2002	322	46%	120	17%	23	3%	53	8%	6	1%	118	17%	58	8%	700
2003	300	48%	94	15%	23	4%	39	6%	10	2%	85	14%	75	12%	626
2004 ⁴	262	45%	86	15%	11	2%	38	6%	5	1%	83	14%	102	17%	587

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis² Heterosexual sex with partners with unknown risk and HIV status³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up⁴ 2004 data are preliminary

MSM = male-to-male sex; IDU = injection drug use; MSM/IDU = male-to-male sex and injection drug use; HTSX = heterosexual sex; Pres. HTSX = presumed heterosexual; NIR = No Identified Risk

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 9. Males diagnosed with HIV infection within the years 2002 to 2004¹ by mode of exposure and race/ethnicity: Massachusetts

	MSM		MSM/IDU		MSM + MSM/IDU		NON- MSM/Unknown Males Only	
Race	N	%	N	%	N	%	N	%
White NH	621	70%	41	72%	662	70%	251	26%
Black NH	109	12%	6	11%	115	12%	376	39%
Hispanic	135	15%	9	16%	144	15%	311	32%
API	12	1%	0	0%	12	1%	19	2%
AI/AN	1	<1%	1	2%	2	<1%	0	0%
Other/Undet.	6	1%	0	0%	6	1%	15	2%
Total	884	100%	57	100%	941	100%	972	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

NH=Non-Hispanic, API=Asian/Pacific Islander, AI/AN = American Indian/Alaska Native, Undet. = Undetermined, MSM = Male-to-Male Sex; IDU = Injection Drug Use

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05

Table 10. Males living with HIV/AIDS on December 31, 2004 by mode of exposure and race/ethnicity: Massachusetts

Race	MSM		MSM/IDU		MSM + MSM/IDU		NON-MSM/Unknown Males Only	
	N	%	N	%	N	%	N	%
White NH	3,741	75%	288	60%	4,029	73%	1,631	30%
Black NH	576	12%	94	20%	670	12%	1,791	33%
Hispanic	585	12%	94	20%	679	12%	1,867	35%
API	66	1%	1	<1%	67	1%	67	1%
AI/AN	6	<1%	2	<1%	8	<1%	2	<1%
Other/Undet.	29	1%	0	0%	29	1%	31	1%
Total	5,003	100%	479	100%	5,482	100%	5,389	100%

NH=Non-Hispanic, API=Asian/Pacific Islander, AI/AN = American Indian/Alaska Native, Undet. = Undetermined, MSM = Male-to-Male Sex; IDU = Injection Drug Use

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05

Table 11. Males diagnosed with HIV infection within the years 2002 to 2004¹ by age at HIV diagnosis and exposure mode: Massachusetts

Years:	MSM		MSM/IDU		MSM + MSM/IDU		Non-MSM/Unknown Males Only ²	
	N	%	N	%	N	%	N	%
Less than 13	0	0%	0	0%	0	0%	11	1%
13 to 19	14	2%	1	2%	15	2%	10	1%
20 to 24	69	8%	3	5%	72	8%	36	4%
25 to 29	98	11%	3	5%	101	11%	74	8%
30 to 34	158	18%	10	18%	168	18%	141	15%
35 to 39	208	24%	20	35%	228	24%	201	21%
40 to 44	153	17%	12	21%	165	18%	187	19%
45 to 49	87	10%	2	4%	89	9%	137	14%
50+	97	11%	6	11%	103	11%	175	18%
Total	884	100%	57	100%	941	100%	972	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Includes males whose primary reported mode of exposure was injection drug use, heterosexual sex, presumed heterosexual sex, blood/blood products, or no identified risk

MSM = Male-to-Male Sex; IDU = Injection Drug Use

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05

Table 12. MSM¹ and Non MSM/Unknown² males diagnosed with HIV infection within the years 2002 to 2004³ by race/ethnicity and age at HIV diagnosis: Massachusetts

	White Non-Hispanic		Black Non-Hispanic		Hispanic	
MSM¹	N	%	N	%	N	%
Less than 13	0	0%	0	0%	0	0%
13 to 19	7	1%	6	5%	2	1%
20 to 24	37	6%	15	13%	17	12%
25 to 29	58	9%	16	14%	25	17%
30 to 34	101	15%	24	21%	40	28%
35 to 39	164	25%	23	20%	35	24%
40 to 44	133	20%	14	12%	16	11%
45 to 49	75	11%	10	9%	1	1%
50+	87	13%	7	6%	8	6%
Total	662	100%	115	100%	144	100%
Non-MSM²	N	%	N	%	N	%
Less than 13	3	1%	3	1%	5	2%
13 to 19	3	1%	4	1%	3	1%
20 to 24	9	4%	9	2%	18	6%
25 to 29	12	5%	24	6%	32	10%
30 to 34	16	6%	59	16%	58	19%
35 to 39	62	25%	72	19%	61	20%
40 to 44	57	23%	72	19%	52	17%
45 to 49	35	14%	60	16%	40	13%
50+	54	22%	73	19%	42	14%
Total	251	100%	376	100%	311	100%

¹ Includes primary reported mode of exposure as male-to-male sex (MSM) and reported exposure of male-to-male sex and injection drug use (MSM/IDU)

² Includes males whose primary reported mode of exposure was injection drug use, heterosexual sex, presumed heterosexual sex, blood/blood products, or undetermined

³ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05

Table 13. Males living with HIV/AIDS on December 31, 2004 by current age and exposure mode: Massachusetts

	MSM		MSM/IDU		MSM + MSM/IDU		Non- MSM/Unknown Males Only¹	
Years:	N	%	N	%	N	%	N	%
Less than 13	0	0%	0	0%	0	0%	54	1%
13 to 19	5	<1%	0	0%	5	<1%	82	2%
20 to 24	61	1%	3	1%	64	1%	45	1%
25 to 29	148	3%	9	2%	157	3%	106	2%
30 to 34	391	8%	35	7%	426	8%	316	6%
35 to 39	867	17%	97	20%	964	18%	785	15%
40 to 44	1,304	26%	133	28%	1,437	26%	1,230	23%
45 to 49	984	20%	102	21%	1,086	20%	1,261	23%
50+	1243	25%	100	21%	1,343	24%	1,510	28%
Total	5,003	100%	479	100%	5,482	100%	5,389	100%

¹ Includes males whose primary reported mode of exposure was injection drug use, heterosexual sex, presumed heterosexual sex, blood/blood products, or undetermined

MSM = Male-to-Male Sex; IDU = Injection Drug Use

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05

Table 14. MSM¹ and non-MSM/unknown² living with HIV/AIDS on December 31, 2004 by race/ethnicity and current age: Massachusetts						
	White Non-Hispanic		Black Non-Hispanic		Hispanic	
MSM¹	N	%	N	%	N	%
Less than 13	0	0%	0	0%	0	0%
13 to 19	1	<1%	3	<1%	1	<1%
20 to 24	37	1%	10	1%	15	2%
25 to 29	77	2%	31	5%	45	7%
30 to 34	255	6%	68	10%	89	13%
35 to 39	630	16%	143	21%	164	24%
40 to 44	1,078	27%	155	23%	178	26%
45 to 49	859	21%	122	18%	91	13%
50+	1,092	27%	138	21%	96	14%
Total	4,029	100%	670	100%	679	100%
Non-MSM²	N	%	N	%	N	%
Less than 13	10	1%	27	2%	16	1%
13 to 19	15	1%	33	2%	34	2%
20 to 24	10	1%	15	1%	20	1%
25 to 29	19	1%	25	1%	58	3%
30 to 34	63	4%	96	5%	141	8%
35 to 39	212	13%	205	11%	351	19%
40 to 44	399	24%	368	21%	445	24%
45 to 49	404	25%	433	24%	408	22%
50+	499	31%	589	33%	394	21%
Total	1,631	100%	1,791	100%	1,867	100%
¹ Includes primary reported mode of exposure as male-to-male sex (MSM) and reported exposure of male-to-male sex and injection drug use (MSM/IDU) ² Includes males whose primary reported mode of exposure was injection drug use, heterosexual sex, presumed heterosexual sex, blood/blood products, or undetermined Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05						

Table 15. Demographic profile of men ages 18 – 64 who reported sex with men in the past year among Behavioral Risk Factor Surveillance System (BRFSS) respondents: MA, 2003-2004

Age, in Years:	N=156	%	# of Sexual Partners:	N=145	%
18-24	7	15%	1 Partner	66	45%
25-34	22	21%	2 Partner(s)	23	13%
35-44	66	40%	3 or more Partner(s)	56	42%
45+	61	24%			
Race:	N=155	%	Condom Use at Last Sexual Encounter:	N=154	%
White (non-Hispanic)	134	81%	Yes	69	41%
Black (non-Hispanic)	4	2%	No	85	59%
Hispanic	14	14%			
Asian	3	3%			
Education:	N=156	%	Reason for Condom Non-Use:	N=38	%
Less than High School	4	1%	Partner refused	1	<1%
High School Graduate	19	23%	Partner not at risk	0	0%
1-3 Years of College	44	29%	Same HIV status	6	19%
College Graduate	89	47%	No anal sex	19	47%
			Other	12	33%
Income:	N=150	%	Health Service Region:	N=156	%
\$<25,000	28	27%	Boston HSR	55	21%
\$25,000-34,999	14	9%	Central HSR	17	7%
\$35,000-49,999	23	14%	MetroWest HSR	12	15%
\$50,000-74,999	26	16%	Northeast HSR	31	29%
\$75,000+	59	34%	Southeast HSR	24	19%
			Western HSR	17	9%

Data Source: Massachusetts Behavioral Risk Factor Surveillance System (BRFSS), 2003-2004

Table 16. Percent of male respondents Ages 18 – 64¹ reporting same sex partner² by condom use at last sexual encounter and year: Massachusetts, 2000-2004

Year	Used Condom		Did not Use Condom	
	n ³	%	n ³	%
2000	40	34%	54	66%
2001	30	38%	34	63%
2002	38	46%	43	54%
2003	26	39%	37	61%
2004	43	42%	48	58%

¹ Sexually active in past year
² During the past 12 months
³ Annual number of male respondents reporting same sex partner by condom use
 Data Source: Massachusetts Behavioral Risk Factor Surveillance System (BRFSS)

Table 17. Percent of male respondents ages 18 – 64¹ reporting same sex partner² by race/ethnicity: Massachusetts, 2003-2004

Race/Ethnicity:	Males Reporting Same Sex Partner	
	N	%
White (Non-Hispanic)	1,530	5%
Black (Non-Hispanic)	91	3%
Hispanic	154	8%
Asian	85	2%

¹ Sexually active in past year (n=1,880)
² During the past 12 months
 Data Source: Massachusetts Behavioral Risk Factor Surveillance System (BRFSS), 2003-2004

Table 18. Sexual behavior as reported among school-aged male respondents, Youth Risk Behavior Survey (YRBS):**Massachusetts***Calendar Year 2003*

	Sex of Partner			
	Opposite Sex		Same-Sex/ Both Sexes	
By Behavior:	% ¹	Total N ²	% ¹	Total N ²
Ever had sexual intercourse ³	72%	824	89%	44
Sexual intercourse before age 13	12%	826	35%	45
4 or more lifetime sexual intercourse partners	19%	819	41%	45
4 or more sexual intercourse partners in last 3 months	6%	822	19%	46
Alcohol/drugs used at last intercourse ⁴	32%	405	37%	29
Condom used at last intercourse ⁴	62%	395	30%	27
Ever been diagnosed with any STD	5%	925	25%	57
Ever injected illegal drugs	3%	925	21%	55

¹ % = percent of total responding "yes" to specified question² N = total number of respondents by sex of partner for each question. The number of respondents for each question varies because not all questions are asked of everyone taking the survey and even when the question is asked some survey participants do not provide an answer³ Question asked of a sample of males who reported any sexual contact with opposite sex partner, same sex partner, or both.⁴ Among youth reporting sexual intercourse in the past three months

Data Source: Massachusetts Department of Education

Table 19. Percentage of Massachusetts Youth Risk Behavior Survey male respondents reporting condom use at last sexual intercourse¹ by year and sex of partner:**Massachusetts, 1993-2003**

Year	Opposite Sex		Same-Sex/ Both Sexes		Total	
	%	Total N ²	%	Total N ²	%	Total N ²
1993	58.5	384	42.3	24	57.4	409
1995	60.3	519	40.0	28	59.9	623
1997	65.4	480	45.5	34	64.2	517
1999	64.4	542	39.1	44	62.6	589
2001	63.6	506	18.5	27	61.6	553
2003	62.0	395	29.6	27	60.3	424

¹ Among youth reporting sexual intercourse in the past three months² Total N = total number of respondents by sex. The number of respondents for each question varies because not all questions are asked of everyone taking the survey and even when the question is asked some survey participants do not provide an answer

Data Source: Massachusetts Department of Education

Table 20. Proportion of infectious syphilis cases that were among men who have sex with men (MSM): Massachusetts, 2000-2005

Year	Number of Cases among MSM	Total Number of Cases	Proportion of Cases among MSM
2000	33	142	23%
2001	52	105	50%
2002	117	208	56%
2003	178	260	68%
2004	146	209	70%
2005 [†]	159	222	72%

[†] 2005 data are preliminary
Data Source: MDPH Division of STD Prevention

Table 21. Infectious syphilis cases among men who have sex with men by HIV status and year of diagnosis: Massachusetts, 2001 - 2005

Year	HIV Positive		HIV Negative/ Unknown Serostatus		Total
	N	%	N	%	N
2001	6	12%	46	88%	52
2002	49	42%	68	58%	117
2003	73	41%	105	59%	178
2004	58	40%	88	60%	146
2005 [†]	83	52%	76	48%	159

[†] 2005 data are preliminary
Data Source: MDPH Division of STD Prevention

Table 22. Reported AIDS cases by exposure mode and year of diagnosis: Massachusetts, 1985-2004¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Unde- term. ³		To- tal N
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	
1985	142	63%	32	14%	12	5%	7	3%	13	6%	17	8%	3	1%	226
1990	479	44%	343	32%	45	4%	74	7%	58	5%	53	5%	27	3%	1,079
1995	436	31%	579	41%	63	5%	163	12%	36	3%	69	5%	53	4%	1,399
1996	353	30%	444	38%	36	3%	171	15%	34	3%	73	6%	50	4%	1,161
1997	243	26%	366	40%	34	4%	123	13%	22	2%	80	9%	49	5%	917
1998	255	27%	344	36%	28	3%	122	13%	18	2%	143	15%	51	5%	961
1999	227	25%	363	40%	25	3%	113	12%	4	<1%	156	17%	27	3%	915
2000	166	22%	264	34%	14	2%	129	17%	11	1%	149	19%	35	5%	768
2001	162	23%	205	30%	25	4%	107	16%	13	2%	134	19%	44	6%	690
2002	160	25%	175	27%	19	3%	102	16%	5	1%	132	20%	51	8%	644
2003	125	23%	145	27%	13	2%	78	15%	8	2%	106	20%	57	11%	532
2004 ¹	131	25%	128	24%	12	2%	57	11%	7	1%	117	22%	71	14%	523

¹ 2004 data are preliminary² Heterosexual sex with partners with unknown risk and HIV status³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

MSM = Male-to-Male Sex; IDU = Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex;

Undeterm. = Undetermined

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/04

Table 23. Deaths among persons reported with AIDS by mode of exposure and year of death: Massachusetts, 1985-2004¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Unde- term. ³		To- tal N
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	
1985	72	61%	16	13%	8	7%	0	0%	10	8%	11	9%	2	2%	119
1990	352	56%	156	25%	27	4%	25	4%	28	4%	28	4%	16	3%	632
1995	439	37%	453	38%	41	3%	134	11%	41	3%	29	2%	47	4%	1,184
1996	259	33%	335	42%	31	4%	88	11%	20	3%	36	5%	26	3%	795
1997	96	25%	184	47%	20	5%	48	12%	14	4%	6	2%	20	5%	388
1998	83	25%	181	55%	8	2%	29	9%	3	1%	12	4%	16	5%	332
1999	63	18%	187	54%	18	5%	29	8%	14	4%	25	7%	13	4%	349
2000	70	21%	177	53%	16	5%	23	7%	13	4%	23	7%	13	4%	335
2001	83	22%	182	49%	20	5%	26	7%	6	2%	29	8%	23	6%	369
2002	66	21%	167	53%	14	4%	30	9%	9	3%	19	6%	11	3%	316
2003	50	20%	131	51%	10	4%	29	11%	6	2%	14	5%	15	6%	255
2004 ¹	48	18%	137	51%	15	6%	23	9%	7	3%	20	7%	19	7%	269

¹ 2004 data are preliminary² Heterosexual sex with partners with unknown risk and HIV status³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

MSM = Male-to-Male Sex; IDU = Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex;

Undeterm. = Undetermined

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/04